

ADDENDUM TO WORKPLAN
Impermeable Cover for Stockpiled Soils
Temporary Storage and Treatment Area
NAS Alameda
Delivery Order 0043

The following is a description of the impermeable stockpile cover at the TSTA and the general procedure for installation.

Design Overview

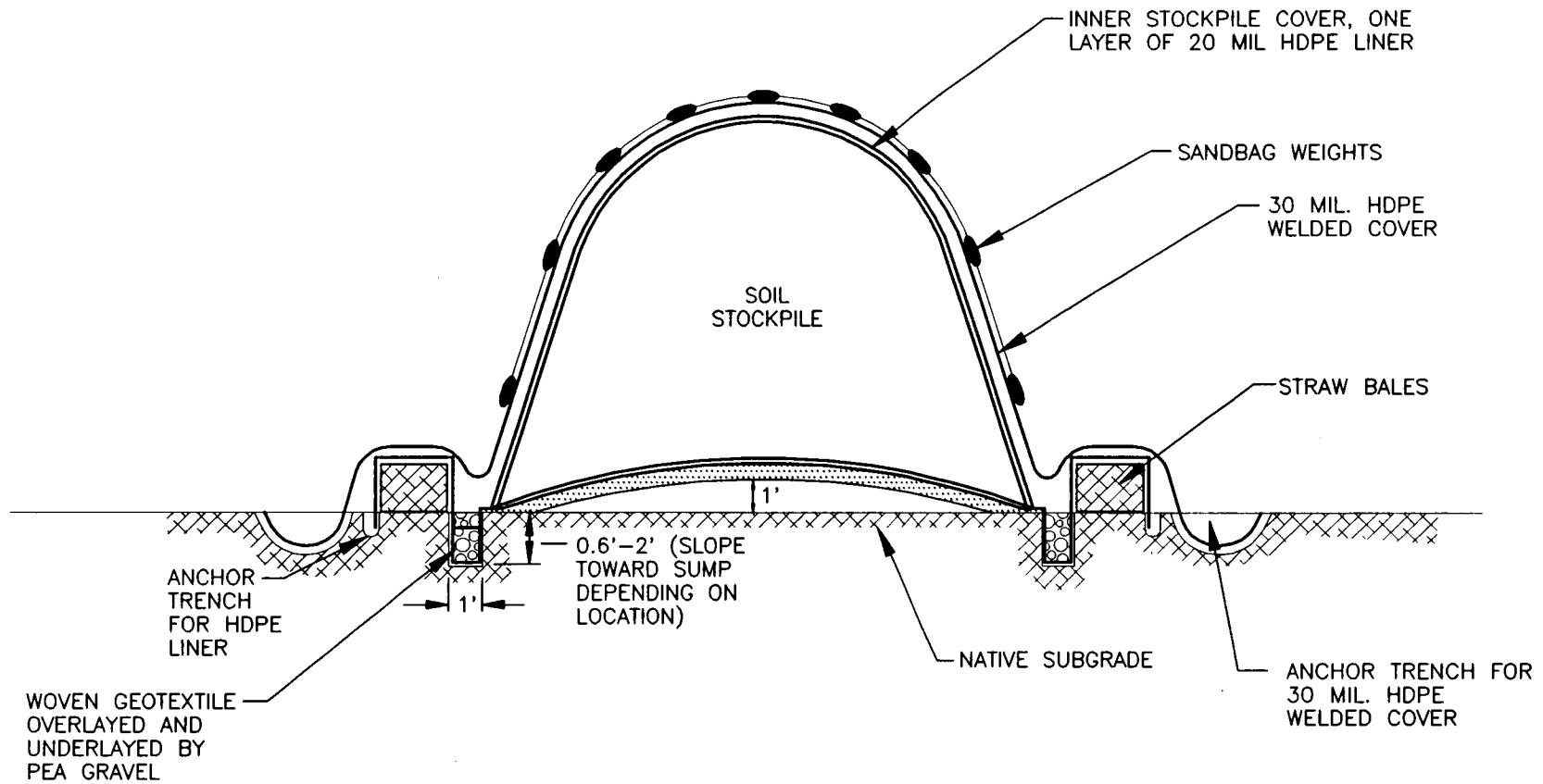
The overall impermeable stockpile cover is shown on Revised Figure 6 attached. The existing landfill cover will be removed. The underlying one to three layers of 20-mil HDPE over the stockpile will be left in place. A 30-mil HDPE cover will be fabricated off-site using industry standard hot-welding techniques to form a continuous sheet, and delivered to the site. The new cover will be placed over the stockpile, and will extend over the berms into an anchor trench around the perimeter of the stockpile area. No support structure will be provided under the cover, and therefore the cover will drape somewhat between the stockpile and berms. A temporary pump will be provided on site to pump out any water that accumulates in the area between the stockpile and berm into the 5,000-gallon tank on site.

Material

The stockpile cover consists of commercially available, standard 30 mil thickness HDPE joined using hot welded seams. HDPE is a very strong material and welding the seams together offers the best long term protection against damage from winds or penetration from the elements and has very good tensile strength. The material offers very good resistance against sunlight degradation.

Installation

An anchor trench will be excavated outside of the bermed area. The existing sandbags and overall landfill cover will be removed. The new completed cover will be draped the stockpile and the berms surrounding the stockpiled materials and formed into the trench. A sufficient amount of material will be allowed to drape between the stockpile and berms to accommodate the potential loading from rainwater accumulation. A layer of native fill material will then be placed over the edges of the cover in the trench to anchor the material. The existing sandbags will be replaced on the new 30-mil HDPE cover.



STOCKPILE COVER CROSS SECTION

NOT TO SCALE

REVISED FIGURE 6
DELIVERY ORDER 43
TEMPORARY STORAGE AND
TREATMENT AREA
PREPARED FOR
NAVAL AIR STATION
ALAMEDA, CALIFORNIA



INTERNATIONAL
TECHNOLOGY
CORPORATION

N00236.001260
ALAMEDA POINT
SSIC NO. 5090.3

WORK PLAN
TEMPORARY STORAGE AND TREATMENT AREA

DATED 01 NOVEMBER 1995

IS FILED AS ADMINISTRATIVE RECORD NO.
N00236.001259